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| 10/024,083 | 12/17/2001 | Ari J. Salmi | 442-010754-US(PAR) | 3755 |
| 2512 | 7590 | 03/12/2004 | EXAMINER | |
| PERMAN & GREEN 425 POST ROAD FAIRFIELD, CT 06824 | | | NGUYEN, QUYNH H | |
| | | | ART UNIT | PAPER NUMBER |
| | | | 2642 | |

DATE MAILED: 03/12/2004

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Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/024,083

Applicant(s)

SALMI ET AL.

Examiner

Quynh H Nguyen

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 17 December 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-27 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-27 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 5_6_
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

DETAILED ACTION

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1-7, 9-16, and 18-27 are rejected under 35 U.S.C. 103(a) as being unpatentable over WO 98/20663 (Inventors: Toyryla et al.) in view of WO 99/25102 (Inventors: Eriksen et al.).

Regarding claim 1, Toyryla et al. teach a method for requesting a telecommunication link between a calling terminal having a memory (page 3, lines 25-26), the calling terminal being in connection with a first telecommunications network and being used by a user dialing the target telephone number associated with the target terminal, and a target terminal being in connection with a second telecommunications network, where the first and second telecommunications networks are interconnected using a gateway (page 3, lines 13-22), the method comprising the steps of: extracting from the memory a gateway number corresponds to the number dialed by the user, establish the telecommunications link through the gateway using the gateway address (page 5, line 30 through page 6, line 10). However, Toyryla et al. do not suggest the step of associating the target telephone number with a call type.

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Eriksen et al. teach associating the target telephone number ("called number") with the type of gateway to route the calls to the correct type of gateway (page 3, lines 3-11, page 4, lines 9-12, and page 5, lines 7-9).

It would have been obvious to incorporate the feature of associating the target telephone number with the type of gateway to route the calls to the correct type of gateway, as taught by Eriksen, in Toyryla's system in order to select the type of gateway that is best suited to handle the call depending on the related resource service level.

Regarding claims 2, 3, 6, 7, 15, and 16, Toyryla et al. teach comparing the target telephone number with numbers stored in the memory and fetching from the memory table the gateway number corresponding the dialed number (page 4, lines 20-35). However, Toyryla et al. do not teach if there is no match found when comparing the target telephone number with numbers stored in the memory, prompting the user to select the call type and storing in memory. It would have been obvious to one of ordinary skill in the art to incorporate the step of if there is no match found when comparing the target telephone number with numbers stored in the memory, prompting the user to select the call type and storing in memory in order to have a user-friendly system and store the call types in memory table for future routing.

Regarding claims 4 and 5, Toyryla et al. teach the user enters the numbers. However, Toyryla et al. do not specifically mention the use of keyboard or speech recognition. The user input devices such as keyboard and speech recognition are well known in the art and the advantage of using them are also well known.

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Regarding claims 9, 18, and 24, Toyryla et al. teach the call type is selected from a group consisting of a TETRA call, a Non-TETRA call (page 1, lines 29-35), a PABX call (page 2, lines 2-5), and other kinds of mobile communications such as FSSN, IP (page 15, lines 28-31).

Regarding claims 10, 11, 19, and 20, Toyryla et al. teach the first character of the target telephone number is # or + (page 13, lines 14-17).

Regarding claims 12 and 21, Toyryla et al. teach the first communication network is a TETRA network (page 2, lines 11-15).

Regarding claims 13 and 25, Toyryla et al. teach the second communications network is selected from a group consisting of a TETRA network, a PLMN, a PSTN, and ISDN, a private network connected to a PABX and a packet network (page 15, lines 28-31) and Eriksen et al. teach an ISDN, H.320, etc (page 1, line 35 through page 2, line 5).

Claim 14 is rejected for the same reasons as discussed above with respect to claim 1. Furthermore, Toyryla et al. teach the steps of: a transceiver for two way information exchange with the first telecommunications network (page 5, lines 11-17); a memory (page 5, line 18); a data processing means for controlling the transceiver and the memory (page 5, line 19); operates the transceiver to establish communication with the target telephone number through the gateway address to the first telecommunications network (page 5, lines 25-29).

Claims 23, 26 and 27 are rejected for the same reasons as discussed above with respect to claims 1 and 2. Furthermore, Toyryla et al. teach a computer program product (controller 403 controls the operation of the radio unit), and it would have been

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obvious that the computer executable code for controlling the operation of requesting telecommunications link between a calling and target terminals.

3. Claims 8 and 17 are rejected under 35 U.S.C. 103(a) as being unpatentable over WO 98/20663 (Inventors: Toyryla et al.) in view of WO 99/25102 (Inventors: Eriksen et al.) and further in view of Doriak et al. (U.S. Patent 6,418,324).

Regarding claims 8 and 17, Toyryla et al. teach the memory tables 1A, 1B, and 2 contain the number dialed the subscriber and its corresponded gateway address. However, Toyryla et al. do not teach a list of most recently dialed numbers in the event that the phone book does not contain an entry for the target telephone number or the target number is found in the phone book; and in the event that the target telephone number is not found in the phone book the call type is stored with the target telephone number in the last dialed numbers memory.

Doriak et al. teach the address book (router core 204) comprise a list of names, addresses to which data may be sent or from which data may be received (col. 31, lines 34-53). However, Doriak et al. do not teach a list of most recently dialed numbers in the event that the phone book does not contain an entry for the target telephone number or the target number is found in the phone book; and in the event that the target telephone number is not found in the phone book the call type is stored with the target telephone number in the last dialed numbers memory.

It would have been obvious to one of ordinary skill in the art at the time the invention was made to incorporate the mentioned above features in Toyryla's system in

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order to efficiently establishing the communications link through the gateway based on the associated call type.


4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Quynh H. Nguyen whose telephone number is 703-305-5451. The examiner can normally be reached on Monday - Thursday from 6:30 A.M. to 5:00 P.M.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ahmad Matar, can be reached on (703) 305-4731. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-305-4700.

qhn

Quynh H. Nguyen
March 4, 2004


AHMAD MATAR
SUPERVISORY PATENT EXAMINER
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